



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 88 76 13

Classification of the application (IPC):
C07K 14/71, C07K 14/47, A61K 38/00, A61P 37/02, A61P 37/00

Technical fields searched (IPC):
C07K, A61K, A61P

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	DEEPA RAJAGOPAL ET AL: "A role for the Hsp90 molecular chaperone family in antigen presentation to T lymphocytes via major histocompatibility complex class II molecules" <i>EUROPEAN JOURNAL OF IMMUNOLOGY</i>, WILEY-VCH, HOBOKEN, USA, 21 March 2006 (2006-03-21), vol. 36, no. 4, DOI: 10.1002/EJI.200535326, ISSN: 0014-2980, pages 828-841, XP071223211 * Invention 1 * * abstract * * page 832, right-hand column, last paragraph - page 833, left-hand column, paragraph 1 * * page 839, left-hand column, paragraph 2 * * page 839, right-hand column, paragraph 2-3 *	1-6, 12, 13
X	DINARELLO CHARLES A.: "Cytokines as Endogenous Pyrogens" <i>JOURNAL OF INFECTIOUS DISEASES</i> US 01 March 1999 (1999-03-01), vol. 179, no. s2, pages S294-S304 URL: https://academic.oup.com/jid/article-pdf/179/Supplement_2/S294/17990851/179-Supplement_2-S294.pdf, ISSN: 0022-1899, XP055975156 * Invention 10; page S295, right-hand column, last paragraph - page S296, left-hand column, paragraph 1 *	12
X	Ralf Kleef ET AL: "Fever, Pyrogens and Cancer - Madame Curie Bioscience Database - NCBI Bookshelf", 01 January 2013 (2013-01-01) URL: https://www.ncbi.nlm.nih.gov/books/NBK6084/ [retrieved on 26 October 2022 (2022-10-26)] XP055975153 * Invention 10 * * the whole document *	12

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 26 October 2022	Examiner Petri, Bernhard
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CATEGORY OF CITED DOCUMENTS

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X	HOBOHM U: "Fever therapy revisited" <i>BRITISH JOURNAL OF CANCER</i>, <i>NATURE PUBLISHING GROUP UK, LONDON</i>, 01 February 2005 (2005-02-01), vol. 92, no. 3, DOI: 10.1038/SJ.BJC.6602386, ISSN: 0007-0920, pages 421-425, XP008142461 * Invention 10 * * page 424, left-hand column, paragraph 1 - right-hand column, paragraph 2 *	12

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 26 October 2022	Examiner Petri, Bernhard
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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-6, 12, 13(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve overexpression of HSP90 protein in immune cells
2. claims: 1-7, 9-11, 14, 15(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a mutant HSP90 protein mutated in the middle domain
3. claims: 1, 2, 4-6, 12, 13(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a mutant HSP90 protein mutated causing its inability to self dimerize
4. claims: 1, 2, 4-6, 12, 13(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve overexpression of alpha4 integrin
5. claims: 1-6, 14, 15(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve knocking out HSP90 protein or knocking down its expression in immune cells
6. claims: 1-7, 9-11, 14, 15(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a mutant HSP90 protein lacking the N-terminal domain
7. claims: 1-7, 9-11, 14, 15(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a mutant HSP90 protein lacking the C-terminal domain
8. claims: 1-6, 14(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a knockout of alpha4 integrin mutated in immune cells
9. claims: 8(completely); 1-4, 6, 9-11, 14, 15(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a mutant alpha4 integrin mutated in its intracellular segment
10. claims: 1, 4, 6, 11-13(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a reagent that enhances the interaction between Hsp90 and alpha4 integrin, not covered by the previous groups
11. claims: 1, 4, 6, 11, 14, 15(all partially)
Method and means suitable to influence the migration of immune cells, wherein the means involve a reagent that weakens the interaction between Hsp90 and alpha4 integrin, not covered by the previous groups

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 26 October 2022	Examiner Petri, Bernhard
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LACK OF UNITY OF INVENTION

Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims: 1-6, 11-13(all partially)

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

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